

FORM PTO-1449
(Substitute)

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Attorney Docket Number

SHPR-01041US4

Serial No.

09/924,624

**INFORMATION DISCLOSURE CITATION
BY APPLICANT**

Applicant

Shek Fai Lau et al.

Filing Date

August 8, 2001

Group Art Unit

1711

U.S. PATENT DOCUMENTS

Examiner Initial		Patent/Publication Number	Issue/Publication Date	Inventor	Filing Date
<i>ft</i>	1.	3,540,191	November 17, 1970	Herman	January 29, 1968
	2.	6,451,266	September 17, 2002	Lau et al.	September 25, 2000
	3.	6,585,935	July 1, 2003	Taylor et al.	November 20, 1998
	4.	6,588,434	July 8, 2003	Taylor et al.	July 2, 2002
	5.	6,632,407	October 14, 2003	Lau et al.	September 25, 2000
	6.	6,635,105	October 21, 2003	Ahlborn et al.	June 30, 2001
	7.	6,672,315	January 6, 2004	Taylor et al.	December 19, 2000
	8.	6,709,484	March 23, 2004	Lau et al.	August 8, 2001
	9.	6,713,026	March 30, 2004	Taylor et al.	December 5, 2000
	10.	2001/0048906 A1	December 6, 2001	Lau et al.	August 8, 2001
	11.	2004/0136863 A1	July 15, 2004	Yates et al.	January 14, 2003
	12.	2004/0166037 A1	August 26, 2004	YoudeU et al.	February 25, 2003
	13.	2004/0226447 A1	November 18, 2004	Lau et al.	April 12, 2004
	14.	2004/034431 A1	November 25, 2004	Taylor et al.	June 25, 2004
	15.	2004/0237787 A1	December 2, 2004	Reeves et al.	April 30, 2004
	16.	2004/0251124 A1	December 16, 2004	Lau	September 15, 204
	17.	2004/0251909 A1	December 16, 2004	Taylor et al.	July 23, 2003
	18.	2005/0000793 A1	January 6, 2005	Taylor et al.	July 21, 2004

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Publication Date	Country	Translation	
					Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER

Thao Tran

DATE CONSIDERED

3/6/06

EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Group Art Unit

1711

PENDING U.S. PATENT APPLICATIONS

Examiner Initial		Application Number	Filing Date	Inventor	Petition to Expunge	
					Yes	No
th	1.	60/104,573	10/16/1998	Krichtafovitch		X
th	2.	10/405,193	4/1/2003	Lee et al.		X

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Publication Date	Country	Translation	
					Yes	No
th	3.	WO92/05875 A1	4/16/1992	International	✓	
th	4.	WO96/04703 A1	2/15/1996	International	✓	
th	5.	WO99/07474 A1	2/18/1999	International	✓	
th	6.	WO03/009944 A1	2/6/2003	International	✓	
th	7.	WO03/013620 A1	2/20/2003	International	✓	
th	8.	WO03/013734 A1	2/20/2003	International	✓	
th	9.	EP 0332624 B1	1/2/1992	Europe	✓	
th	10.	EP 0433152 A1	12/10/1990	Europe	✓	
th	11.	CN 2111112 U	7/29/1972	China	✓	
th	12.	CN 2138764 Y	6/27/1993	China	✓	
th	13.	CN 2153231 Y	12/18/1993	China	✓	
th	14.	CN 87210843 U	7/6/1988	China	✓	
th	15.	DE 2206057	8/16/1973	Germany	✓	
th	16.	GB 643,363	9/20/1950	Great Britain	✓	
th	17.	JP S51-90077	8/6/1976	Japan	✓	
th	18.	JP S62-20653	2/7/1987	Japan	✓	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

th	19.	Trion Console 250 Electronic Air Cleaner, Model Series 442857 and 445600, Manual for Installation-Operation-Maintenance, Trion Inc., 7 pp., believed to be at least one year prior to Nov. 5, 1998
th	20.	Trion 350 Air Purifier, Model 450111-010, http://www.feddersoutlet.com/trion350.html , 12 pp., believed to be at least one year prior to Nov. 5, 1998
th	21.	Trion 150 Air Purifier, Model 45000-002, http://www.feddersoutlet.com/trion150.html , 11 pp., believed to be at least one year prior to Nov. 5, 1998
th	22.	Trion 120 Air Purifier, Model 442501-025, http://www.feddersoutlet.com/trion120.html , 16 pp., believed to be at least one year prior to Nov. 5, 1998
th	23.	Friedrich C-90A Electronic Air Cleaner, Service Information, Friedrich Air Conditioning Co., 12 pp., 1985
th	24.	LakeAir Excel and Maxum Portable Electronic Air Cleaners, Operating and Service Manual, LakeAir International, Inc., 11 pp., 1971

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25.	Blueair AV 402 Air Purifier, http://www.air-purifiers-usa.biz/Blueair_AV402.htm , 4 pp., 1996
26.	Blueair AV 501 Air Purifier, http://www.air-purifiers-usa.biz/Blueair_AV501.htm , 15 pp., 1997

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9/20/04

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	Electrode Self-Cleaning Mechanism for Electro-Kinetic Air Transporter-Conditioner Devices
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Application Number : 09/924624



Confirmation Number: 5227

First Named Applicant: Shek Lau

Attorney Docket Number: SHPR-01041US4

Art Unit: 1711

Examiner: Thao T Tran

Search string: (0653421 or 0995958 or 4102654 or 5077500 or D329284 or D332655 or 5248324 or 5266004 or 5290343 or 5435817 or 5532798 or D375546 or D377523 or 5641342 or D389567 or 5980614 or 6508982 or 3374941 or 6494940 or 4955991 or 4967119 or 4976752 or 5006761 or 5012159 or 5053912 or 5180404 or 5766318 or 5993521 or 6117216 or 6203600 or 6398852 or 5012093 or 1791338 or 1869335 or 3581470 or 3638058 or 4092134 or 4253852 or 4686370 or 4726814 or 4772297 or 4786844 or D315598 or 5183480 or 5296019 or 5437713 or 5698164 or 6126727 or 6348103 or 6464754 or 20040052700 or 20040065202 or 20020190658 or 20020195951).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
#	1	0653421	1900-07-10	Lorey			
	2	0995958	1911-06-20	Goldberg			
	3	4102654	1978-07-25	Pellin			
	4	5077500	1991-12-31	Torok et al			
	5	D329284	1992-09-08	Patton			
	6	D332655	1993-01-19	Lytle et al			
	7	5248324	1993-09-28	Hara			
	8	5266004	1993-11-30	Tsumurai et al			
	9	5290343	1994-03-01	Morita et al			
	10	5435817	1995-07-25	Davis et al			
	11	5532798	1996-07-21	Nakagami et al			
	12	D375546	1996-11-12	Lee			
	13	D377523	1997-01-21	Marvin et al			
	14	5641342	1997-06-24	Smith et al			
	15	D389567	1998-01-20	Gudefin			
	16	5980614	1999-11-09	Loreth et al			
✓	17	6508982	2003-01-21	Shoji			

18	3374941	1968-03-26	Okress			
19	6494940	2002-12-17	Hak			
20	4955991	1990-09-11	Torok et al			
21	4967119	1990-10-10	Torok et al			
22	4976752	1990-12-11	Torok et al			
23	5006761	1991-04-09	Torok et al			
24	5012159	1991-04-30	Torok et al			
25	5053912	1991-10-01	Loreth et al			
26	5180404	1993-01-19	Loreth et al			
27	5766318	1998-06-16	Loreth et al			
28	5993521	1999-11-30	Loreth et al			
29	6117216	2000-09-12	Loreth			
30	6203600	2001-03-20	Loreth			
31	6398852	2002-06-04	Loreth			
32	5012093	1991-04-30	Shimizu			
33	1791338	1931-02-03	Wintermute			
34	1869335	1932-07-26	Day			
35	3581470	1971-06-01	Aitkenhead et al			
36	3638058	1972-01-25	Fritzius			
37	4092134	1978-05-30	Kikuchi			
38	4253852	1981-03-03	Adams			
39	4686370	1987-08-11	Blach			
40	4726814	1988-02-23	Weitman			
41	4772297	1988-09-20	Anzai			
42	4786844	1988-11-22	Farrell et al			
43	D315598	1991-03-19	Yamamoto et al			
44	5183480	1993-02-02	Raterman et al			
45	5296019	1994-03-22	Oakley et al			
46	5437713	1995-08-01	Chang			
47	5698164	1995-12-16	Kishioka et al			
48	6126727	2000-10-03	Lo			
49	6348103	2002-02-19	Ahlborn et al			
50	6464754	2002-10-15	Ford			

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
10	1	20040052700	2004-03-18	Kotlyar et al			
11	2	20040065202	2004-04-08	Gatchell et al			
12	3	20020190658	2002-12-19	Lee			
13	4	20020195951	2002-12-26	Lee			

Signature

Examiner Name	Date
Thao Tran	3/6/06

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Sheet 1 of 1

Form PTO-1449 (Substitute)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket Number SHPR-01041US4		Serial/Patent Number 09/924,624	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant/Patent Owner Shek Fai Lau et al.			
				Filing/Issue Date August 8, 2001		Group Art Unit 1741	
U.S. PATENTS							
Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
h	1.	2,949,550	Aug. 16, 1960	Brown	310	5	Jul. 3, 1957
	2.	4,052,177	Oct. 4, 1977	Kide	55	139	Mar. 1, 1976
	3.	4,138,233	Feb. 6, 1979	Masuda	55	139	Jun. 16, 1977
	4.	4,209,306	Jun. 24, 1980	Feldman et al.	55	2	Nov. 13, 1978
	5.	4,231,766	Nov. 4, 1980	Spurgin	55	138	Dec. 11, 1978
	6.	4,232,355	Nov. 4, 1980	Finger et al.	361	235	Jan. 8, 1979
	7.	4,244,712	Jan. 13, 1981	Tongret	55	124	Mar. 5, 1979
	8.	4,259,452	Mar. 31, 1981	Yukuta et al.	521	52	May 15, 1979
	9.	4,266,948	May 12, 1981	Teague et al.	55	126	Jan. 4, 1980
	10.	4,282,014	Aug. 4, 1981	Winkler et al.	55	105	May 21, 1979
	11.	4,342,571	Aug. 3, 1982	Hayashi	55	137	Jun. 14, 1978
	12.	4,386,395	May 31, 1983	Francis, Jr.	363	27	Dec. 19, 1980
	13.	4,413,225	Nov. 1, 1983	Donig et al.	323	246	Jul. 17, 1981
	14.	4,445,911	May 1, 1984	Lind	55	2	Dec. 15, 1981
	15.	4,502,002	Feb. 26, 1985	Ando	323	237	Sep. 2, 1982
	16.	4,536,698	Aug. 20, 1985	Shevalenko et al.	323	237	Aug. 25, 1983
	17.	4,587,475	May 6, 1986	Finney, Jr., et al.	323	241	Jul. 25, 1983
	18.	4,600,411	Jul. 15, 1986	Santamaria	55	139	Apr. 6, 1984
	19.	4,601,733	Jul. 22, 1986	Ordines et al.	55	139	Sep. 27, 1984
	20.	4,626,261	Dec. 2, 1986	Jorgensen	55	2	Dec. 12, 1985
✓	21.	4,659,342	Apr. 21, 1987	Lind	55	2	Apr. 30, 1984
	22.	4,674,003	Jun. 16, 1987	Zylka	361	235	Apr. 3, 1985

- 4 -

Attorney Docket No.: SHPR-01041US4 SRM
sm/shpr/1041us4/ids.wpd

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Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
HC	23.	4,694,376	Sep. 15, 1987	Gesslauer	361	235	Sep. 26, 1985
	24.	4,713,093	Dec. 15, 1987	Hansson	55	139	Jul. 8, 1986
	25.	4,779,182	Oct. 18, 1988	Mickal et al.	363	37	Jun. 24, 1986
	26.	4,808,200	Feb. 28, 1989	Dalhammer et al.	55	105	Nov. 12, 1987
	27.	4,940,470	Jul. 10, 1990	Jaisinghani et al.	55	2	Mar. 23, 1988
	28.	5,010,869	Apr. 30, 1991	Lee	123	539	Aug. 11, 1989
	29.	5,196,171	Mar. 23, 1993	Peltier	422	121	Mar. 11, 1991
	30.	5,217,504	Jun. 8, 1993	Johansson	55	2	Mar. 20, 1990
	31.	5,302,190	Apr. 12, 1994	Williams	95	57	Jun. 8, 1992
	32.	5,315,838	May 31, 1994	Thompson	62	129	Aug. 16, 1993
	33.	5,316,741	May 31, 1994	Sewell et al.	422	186.21	May 30, 1991
	34.	5,378,978	Jan. 3, 1995	Gallo et al.	323	241	Apr. 2, 1993
	35.	5,578,112	Nov. 26, 1996	Krause	96	24	Jun. 1, 1995
	36.	5,667,564	Sep. 16, 1997	Weinberg	96	58	Aug. 14, 1996
	37.	5,814,135	Sep. 29, 1998	Weinberg	96	58	Sep. 15, 1997
	38.	5,879,435	Mar. 9, 1999	Satyapal et al.	96	16	Jan. 6, 1997
	39.	5,893,977	Apr. 13, 1999	Pucci	210	739	May 12, 1997
	40.	5,972,076	Oct. 26, 1999	Nichols et al.	95	81	Sep. 28, 1998
	41.	6,019,815	Feb. 1, 2000	Satyapal et al.	95	74	Sep. 11, 1998
	42.	6,042,637	Mar. 28, 2000	Weinberg	96	58	Sep. 28, 1998
	43.	6,063,168	May 16, 2000	Nichols et al.	96	80	Aug. 11, 1997
	44.	6,086,657	Jul. 11, 2000	Freije	95	2	Feb. 16, 1999
	45.	6,149,717	Nov. 21, 2000	Satyapal et al.	96	16	Dec. 22, 1998
	46.	6,149,815	Nov. 21, 2000	Sauter	210	635	Nov. 23, 1999
	47.	6,163,098	Dec. 19, 2000	Taylor et al.	310	308	Jan. 14, 1999
	48.	6,182,461 B1	Feb. 6, 2001	Washburn et al.	62	264	Jul. 16, 1999
	49.	6,193,852 B1	Feb. 27, 2001	Caracciolo et al.	204	176	May 28, 1997
✓	50.	6,212,883 B1	Apr. 10, 2001	Kang	60	275	Mar. 3, 2000

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Sheet 3 of 5

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Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
H	51.	6,252,012 B1	Jun. 26, 2001	Egitto et al.	525	431	Aug. 30, 1999
	52.	6,270,733 B1	Aug. 7, 2001	Rodden	422	186.07	Feb. 17, 2000
	53.	6,277,248 B1	Aug. 21, 2001	Ishioka et al.	204	176	Jan. 5, 2000
	54.	D449,097 S	Oct. 9, 2001	Smith et al.	D23	364	May 1, 2000
	55.	6,302,944 B1	Oct. 16, 2001	Hoening	96	16	Apr. 18, 2000
	56.	D449,679 S	Oct. 23, 2001	Smith et al.	D23	365	May 1, 2000
	57.	6,309,514 B1	Oct. 30, 2001	Conrad et al.	204	164	Nov. 7, 1994
	58.	6,312,507 B1	Nov. 6, 2001	Taylor et al.	96	19	Feb. 12, 1999
	59.	6,315,821 B1	Nov. 13, 2001	Pillion et al.	96	416	Jan. 11, 2001
	60.	6,328,791 B1	Dec. 11, 2001	Pillion et al.	96	418	May 3, 2000
	61.	6,350,417 B1	Feb. 26, 2002	Lau et al.	422	186.04	May 4, 2000
	62.	6,372,097 B1	Apr. 16, 2002	Chen	204	176	Apr. 14, 2000
	63.	6,379,427 B1	Apr. 30, 2002	Siess	95	57	Dec. 6, 1999
✓	64.	6,391,259 B1	May 21, 2002	Malkin et al.	422	28	Jun. 26, 1997

PENDING U.S. PATENT APPLICATIONS

Examiner Initial		Application Number	Filing Date	First Named Inventor	Petition to Expunge? Yes No	
H	65.	09/669,253	Sep. 25, 2000	Taylor et al.		X
	66.	09/669,268	Sep. 25, 2000	Taylor et al.		X
	67.	09/730,499	Dec. 5, 2000	Taylor et al.		X
	68.	09/742,814	Dec. 19, 2000	Taylor et al.		X
	69.	09/774,198	Jan. 29, 2001	Taylor		X
✓	70.	60/306,479	July 18, 2001	Taylor		X

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Sheet 4 of 5

PENDING U.S. PATENT APPLICATIONS					
Examiner Initial		Application Number	Filing Date	First Named Inventor	Petition to Expunge? Yes No
H	71.	09/924,600	Aug. 8, 2001	Taylor et al.	X
	72.	60/341,179	Dec. 13, 2001	Taylor et al.	X
	73.	60/340,702	Dec. 13, 2001	Taylor et al.	X
	74.	60/341,377	Dec. 13, 2001	Taylor et al.	X
	75.	60/341,518	Dec. 13, 2001	Taylor -	X
	76.	60/340,288	Dec. 13, 2001	Taylor	X
	77.	60/341,176	Dec. 13, 2001	Taylor	X
	78.	60/340,462	Dec. 13, 2001	Taylor	X
	79.	60/341,090	Dec. 13, 2001	Taylor	X
	80.	60/341,433	Dec. 13, 2001	Taylor	X
	81.	60/341,592	Dec. 13, 2001	Taylor	X
	82.	60/341,320	Dec. 13, 2001	Taylor	X
	83.	10/023,197	Dec. 13, 2001	Taylor et al.	X
	84.	10/023,460	Dec. 13, 2001	Taylor et al.	X
	85.	10/074,082	Feb. 12, 2002	Taylor et al.	X
	86.	10/074,209	Feb. 12, 2002	Taylor et al.	X
	87.	10/074,207	Feb. 12, 2002	Taylor et al.	X
	88.	10/074,208	Feb. 12, 2002	Taylor	X
	89.	10/074,339	Feb. 12, 2002	Taylor et al.	X
	90.	10/074,827	Feb. 12, 2002	McKinney, Jr., et al.	X
	91.	10/074,549	Feb. 12, 2002	Simaiko et al.	X
	92.	10/074,103	Feb. 12, 2002	Simaiko et al.	X
	93.	10/074,096	Feb. 12, 2002	Taylor et al.	X
	94.	10/074,347	Feb. 12, 2002	Taylor et al.	X
	95.	10/074,379	Feb. 12, 2002	Taylor et al.	X
U	96.	10/156,158	May 28, 2002	Taylor et al.	X

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Sheet 5 of 5

PENDING U.S. PATENT APPLICATIONS					
Examiner Initial		Application Number	Filing Date	First Named Inventor	Petition to Expunge? Yes No
<i>th</i>	97.	60/391,070	Jun. 6, 2002	Reeves	X
<i>th</i>	98.	10/188,668	Jul. 2, 2002	Taylor et al.	X

FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document Number	Publication Date	Country	Class	Subclass	Translation Yes No
<i>th</i>	99.	WO 01/47803 A1	Jul. 5, 2001	PCT			✓
	100.	WO 01/48781 A1	Jul. 5, 2001	PCT			✓
	101.	FR 2690509	Oct. 29, 1993	France			✓
	102.	JP 10137007	May 26, 1998	Japan			✓
<i>th</i>	103.	JP 11104223	Apr. 20, 1999	Japan			✓
	104.	JP 2000236914	Sept. 5, 2000	Japan			✓

OTHER DOCUMENTS (Include author (if any), title, publisher and place of publication, date and pertinent pages)	
<i>th</i>	105. LENTEK Sila™ Plug-In Air Purifier/Deodorizer product box copyrighted 1999.
Examiner <i>Thao Tran</i>	Date Considered <i>3/6/06</i>
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	
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				Filing/Issue Date August 8, 2001		Group Art Unit 1741	
U.S. PATENTS							
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#	1.	2,949,550	Aug. 16, 1960	Brown	310	5	Jul. 3, 1957
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	3.	4,138,233	Feb. 6, 1979	Masuda	55	139	Jun. 16, 1977
	4.	4,209,306	Jun. 24, 1980	Feldman et al.	55	2	Nov. 13, 1978
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	19.	4,601,733	Jul. 22, 1986	Ordines et al.	55	139	Sep. 27, 1984
	20.	4,626,261	Dec. 2, 1986	Jorgensen	55	2	Dec. 12, 1985
	21.	4,659,342	Apr. 21, 1987	Lind	55	2	Apr. 30, 1984
	22.	4,674,003	Jun. 16, 1987	Zylka	361	235	Apr. 3, 1985

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U.S. PATENTS

Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
H	23.	4,694,376	Sep. 15, 1987	Gessler	361	235	Sep. 26, 1985
	24.	4,713,093	Dec. 15, 1987	Hansson	55	139	Jul. 8, 1986
	25.	4,779,182	Oct. 18, 1988	Mickal et al.	363	37	Jun. 24, 1986
	26.	4,808,200	Feb. 28, 1989	Dallhammer et al.	55	105	Nov. 12, 1987
	27.	4,940,470	Jul. 10, 1990	Jaisinghani et al.	55	2	Mar. 23, 1988
	28.	5,010,869	Apr. 30, 1991	Lee	123	539	Aug. 11, 1989
	29.	5,196,171	Mar. 23, 1993	Peltier	422	121	Mar. 11, 1991
	30.	5,217,504	Jun. 8, 1993	Johansson	55	2	Mar. 20, 1990
	31.	5,302,190	Apr. 12, 1994	Williams	95	57	Jun. 8, 1992
	32.	5,315,838	May 31, 1994	Thompson	62	129	Aug. 16, 1993
	33.	5,316,741	May 31, 1994	Sewell et al.	422	186.21	May 30, 1991
	34.	5,378,978	Jan. 3, 1995	Gallo et al.	323	241	Apr. 2, 1993
	35.	5,578,112	Nov. 26, 1996	Krause	96	24	Jun. 1, 1995
	36.	5,667,564	Sep. 16, 1997	Weinberg	96	58	Aug. 14, 1996
	37.	5,814,135	Sep. 29, 1998	Weinberg	96	58	Sep. 15, 1997
	38.	5,879,435	Mar. 9, 1999	Satyapal et al.	96	16	Jan. 6, 1997
	39.	5,893,977	Apr. 13, 1999	Pucci	210	739	May 12, 1997
	40.	5,972,076	Oct. 26, 1999	Nichols et al.	95	81	Sep. 28, 1998
	41.	6,019,815	Feb. 1, 2000	Satyapal et al.	95	74	Sep. 11, 1998
	42.	6,042,637	Mar. 28, 2000	Weinberg	96	58	Sep. 28, 1998
	43.	6,063,168	May 16, 2000	Nichols et al.	96	80	Aug. 11, 1997
	44.	6,086,657	Jul. 11, 2000	Freije	95	2	Feb. 16, 1999
	45.	6,149,717	Nov. 21, 2000	Satyapal et al.	96	16	Dec. 22, 1998
	46.	6,149,815	Nov. 21, 2000	Sauter	210	635	Nov. 23, 1999
	47.	6,163,098	Dec. 19, 2000	Taylor et al.	310	308	Jan. 14, 1999
	48.	6,182,461 B1	Feb. 6, 2001	Washburn et al.	62	264	Jul. 16, 1999
	49.	6,193,852 B1	Feb. 27, 2001	Caracciolo et al.	204	176	May 28, 1997
J	50.	6,212,883 B1	Apr. 10, 2001	Kang	60	275	Mar. 3, 2000

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Sheet 3 of 3

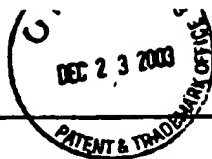
PATENT & TRADEMARK OFFICE

U.S. PATENTS

Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
HE	51.	6,252,012 B1	Jun. 26, 2001	Egitto et al.	525	431	Aug. 30, 1999
	52.	6,270,733 B1	Aug. 7, 2001	Rodden	422	186.07	Feb. 17, 2000
	53.	6,277,248 B1	Aug. 21, 2001	Ishioka et al.	204	176	Jan. 5, 2000
	54.	D449,097 S	Oct. 9, 2001	Smith et al.	D23	364	May 1, 2000
	55.	6,302,944 B1	Oct. 16, 2001	Hoenig	96	16	Apr. 18, 2000
	56.	D449,679 S	Oct. 23, 2001	Smith et al.	D23	365	May 1, 2000
	57.	6,309,514 B1	Oct. 30, 2001	Conrad et al.	204	164	Nov. 7, 1994
	58.	6,312,507 B1	Nov. 6, 2001	Taylor et al.	96	19	Feb. 12, 1999
	59.	6,315,821 B1	Nov. 13, 2001	Pillion et al.	96	416	Jan. 11, 2001
	60.	6,328,791 B1	Dec. 11, 2001	Pillion et al.	96	418	May 3, 2000
	61.	6,350,417 B1	Feb. 26, 2002	Lau et al.	422	186.04	May 4, 2000
	62.	6,372,097 B1	Apr. 16, 2002	Chen	204	176	Apr. 14, 2000
	63.	6,379,427 B1	Apr. 30, 2002	Siess	95	57	Dec. 6, 1999
✓	64.	6,391,259 B1	May 21, 2002	Malkin et al.	422	28	Jun. 26, 1997

PENDING U.S. PATENT APPLICATIONS

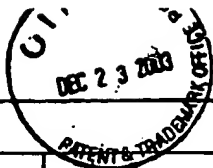
Examiner Initial		Application Number	Filing Date	First Named Inventor	Petition to Expunge? Yes No
HE	65.	09/669,253	Sep. 25, 2000	Taylor et al.	X
	66.	09/669,268	Sep. 25, 2000	Taylor et al.	X
	67.	09/730,499	Dec. 5, 2000	Taylor et al.	X
	68.	09/742,814	Dec. 19, 2000	Taylor et al.	X
	69.	09/774,198	Jan. 29, 2001	Taylor	X
✓	70.	60/306,479	July 18, 2001	Taylor	X



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Sheet 4 of 5

PENDING U.S. PATENT APPLICATIONS					
Examiner Initial		Application Number	Filing Date	First Named Inventor	Petition to Expunge? Yes / No
tt	71.	09/924,600	Aug. 8, 2001	Taylor et al.	X
	72.	60/341,179	Dec. 13, 2001	Taylor et al.	X
	73.	60/340,702	Dec. 13, 2001	Taylor et al.	X
	74.	60/341,377	Dec. 13, 2001	Taylor et al.	X
	75.	60/341,518	Dec. 13, 2001	Taylor	X
	76.	60/340,288	Dec. 13, 2001	Taylor	X
	77.	60/341,176	Dec. 13, 2001	Taylor	X
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	79.	60/341,090	Dec. 13, 2001	Taylor	X
	80.	60/341,433	Dec. 13, 2001	Taylor	X
	81.	60/341,592	Dec. 13, 2001	Taylor	X
	82.	60/341,320	Dec. 13, 2001	Taylor	X
	83.	10/023,197	Dec. 13, 2001	Taylor et al.	X
	84.	10/023,460	Dec. 13, 2001	Taylor et al.	X
	85.	10/074,082	Feb. 12, 2002	Taylor et al.	X
	86.	10/074,209	Feb. 12, 2002	Taylor et al.	X
	87.	10/074,207	Feb. 12, 2002	Taylor et al.	X
	88.	10/074,208	Feb. 12, 2002	Taylor	X
	89.	10/074,339	Feb. 12, 2002	Taylor et al.	X
	90.	10/074,827	Feb. 12, 2002	McKinney, Jr., et al.	X
	91.	10/074,549	Feb. 12, 2002	Sinaiko et al.	X
	92.	10/074,103	Feb. 12, 2002	Sinaiko et al.	X
	93.	10/074,096	Feb. 12, 2002	Taylor et al.	X
	94.	10/074,347	Feb. 12, 2002	Taylor et al.	X
	95.	10/074,379	Feb. 12, 2002	Taylor et al.	X
✓	96.	10/156,158	May 28, 2002	Taylor et al.	X

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Sheet 5 of 5

PENDING U.S. PATENT APPLICATIONS					
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<i>th</i>	97.	60/391,070	Jun. 6, 2002	Reeves	<input type="checkbox"/> <input checked="" type="checkbox"/>
<i>U</i>	98.	10/188,668	Jul. 2, 2002	Taylor et al.	<input type="checkbox"/> <input checked="" type="checkbox"/>

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<i>th</i>	99.	WO 01/47803 A1	Jul. 5, 2001	PCT			<input checked="" type="checkbox"/>	<input type="checkbox"/>
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	102.	JP 10137007	May 26, 1998	Japan			<input checked="" type="checkbox"/>	<input type="checkbox"/>
	103.	JP 11104223	Apr. 20, 1999	Japan			<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>U</i>	104.	JP 2000236914	Sept. 5, 2000	Japan			<input checked="" type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Include author (if any), title, publisher and place of publication, date and pertinent pages)	
<i>th</i>	105. LENTEK Sila™ Plug-In Air Purifier/Deodorizer product box copyrighted 1999.
Examiner	<i>Thao Tran</i>
Date Considered	<i>9/6/06</i>
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
*1 = Copy not submitted because it was submitted in prior application SN / _____, filed _____, 20____, relied on under 35 USC §120.	
*2 = Copy not submitted because it was submitted in prior application SN / _____, filed _____, 20____, relied on under 35 USC §120.	

10/14/03

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Sheet 1 of 2

Form PTO-1449 (Substitute)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket Number SHPR-01041US4		Serial/Patent Number 09/924,624	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant/Patent Owner Shek Fai Lau et al.			
				Filing/Issue Date August 8, 2001		Group Art Unit 1741	
U.S. PATENTS							
Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
HC	1.	2,949,550	Aug. 16, 1960	Brown	310	5	Jul. 3, 1957
	2.	4,052,177	Oct. 4, 1977	Kide	55	139	Mar. 1, 1976
	3.	4,138,233	Feb. 6, 1979	Masuda	55	139	Jun. 16, 1977
	4.	4,209,306	Jun. 24, 1980	Feldman et al.	55	2	Nov. 13, 1978
	5.	4,231,766	Nov. 4, 1980	Spurgin	55	138	Dec. 11, 1978
	6.	4,232,355	Nov. 4, 1980	Finger et al.	361	235	Jan. 8, 1979
	7.	4,244,712	Jan. 13, 1981	Tongret	55	124	Mar. 5, 1979
	8.	4,259,452	Mar. 31, 1981	Yukuta et al.	521	52	May 15, 1979
	9.	4,266,948	May 12, 1981	Teague et al.	55	126	Jan. 4, 1980
	10.	4,282,014	Aug. 4, 1981	Winkler et al.	55	105	May 21, 1979
	11.	4,342,571	Aug. 3, 1982	Hayashi	55	137	Jun. 14, 1978
	12.	4,386,395	May 31, 1983	Francis, Jr.	363	27	Dec. 19, 1980
	13.	4,413,225	Nov. 1, 1983	Donig et al.	323	246	Jul. 17, 1981
	14.	4,445,911	May 1, 1984	Lind	55	2	Dec. 15, 1981
	15.	4,502,002	Feb. 26, 1985	Ando	323	237	Sep. 2, 1982
	16.	4,536,698	Aug. 20, 1985	Shevalenko et al.	323	237	Aug. 25, 1983
	17.	4,587,475	May 6, 1986	Finney, Jr., et al.	323	241	Jul. 25, 1983
	18.	4,600,411	Jul. 15, 1986	Santamaria	55	139	Apr. 6, 1984
	19.	4,601,733	Jul. 22, 1986	Ordines et al.	55	139	Sep. 27, 1984
	20.	4,626,261	Dec. 2, 1986	Jorgensen	55	2	Dec. 12, 1985
	21.	4,659,342	Apr. 21, 1987	Lind	55	2	Apr. 30, 1984
✓	22.	4,674,003	Jun. 16, 1987	Zylka	361	235	Apr. 3, 1985

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U.S. PATENTS							
Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
tt	23.	4,694,376	Sep. 15, 1987	Gesslauer	361	235	Sep. 26, 1985
	24.	4,713,093	Dec. 15, 1987	Hansson	55	139	Jul. 8, 1986
	25.	4,779,182	Oct. 18, 1988	Mickal et al.	363	37	Jun. 24, 1986
	26.	4,808,200	Feb. 28, 1989	Dallhammer et al.	55	105	Nov. 12, 1987
	27.	4,940,470	Jul. 10, 1990	Jaisinghani et al.	55	2	Mar. 23, 1988
	28.	5,010,869	Apr. 30, 1991	Lee	123	539	Aug. 11, 1989
	29.	5,196,171	Mar. 23, 1993	Peltier	422	121	Mar. 11, 1991
	30.	5,217,504	Jun. 8, 1993	Johansson	55	2	Mar. 20, 1990
	31.	5,302,190	Apr. 12, 1994	Williams	95	57	Jun. 8, 1992
	32.	5,315,838	May 31, 1994	Thompson	62	129	Aug. 16, 1993
	33.	5,316,741	May 31, 1994	Sewell et al.	422	186.21	May 30, 1991
	34.	5,378,978	Jan. 3, 1995	Gallo et al.	323	241	Apr. 2, 1993
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	36.	5,667,564	Sep. 16, 1997	Weinberg	96	58	Aug. 14, 1996
	37.	5,814,135	Sep. 29, 1998	Weinberg	96	58	Sep. 15, 1997
	38.	5,879,435	Mar. 9, 1999	Satyapal et al.	96	16	Jan. 6, 1997
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	40.	5,972,076	Oct. 26, 1999	Nichols et al.	95	81	Sep. 28, 1998
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	44.	6,086,657	Jul. 11, 2000	Freije	95	2	Feb. 16, 1999
	45.	6,149,717	Nov. 21, 2000	Satyapal et al.	96	16	Dec. 22, 1998
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	47.	6,163,098	Dec. 19, 2000	Taylor et al.	310	308	Jan. 14, 1999
	48.	6,182,461 B1	Feb. 6, 2001	Washburn et al.	62	264	Jul. 16, 1999
	49.	6,193,852 B1	Feb. 27, 2001	Caracciolo et al.	204	176	May 28, 1997
	50.	6,212,883 B1	Apr. 10, 2001	Kang	60	275	Mar. 3, 2000

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

Electrode Self-Cleaning Mechanism for Electro-Kinetic Air
Transporter-Conditioner Devices

Application Number : 09/924624
Confirmation Number: 5227
First Named Applicant: Shek Lau
Attorney Docket Number: SHPR-01041US4
Art Unit: 1711
Examiner: Thao T Tran
Search string: (6603268 or 6613277 or 6749667).pn



US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
H	1	6603268	2003-08-05	Lee			
J	2	6613277	2003-09-02	Monagan			
V	3	6749667	2004-06-15	Reeves et al			

Signature

Examiner Name	Date
Thao Tran	3/6/06

Sheet 1 of 2

U.S. PATENTS

Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
H	51.	6,252,012 B1	Jun. 26, 2001	Egitto et al.	525	431	Aug. 30, 1999
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	53.	6,277,248 B1	Aug. 21, 2001	Ishioka et al.	204	176	Jan. 5, 2000
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	55.	6,302,944 B1	Oct. 16, 2001	Hoenig	96	16	Apr. 18, 2000
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	57.	6,309,514 B1	Oct. 30, 2001	Conrad et al.	204	164	Nov. 7, 1994
	58.	6,312,507 B1	Nov. 6, 2001	Taylor et al.	96	19	Feb. 12, 1999
	59.	6,315,821 B1	Nov. 13, 2001	Pillion et al.	96	416	Jan. 11, 2001
	60.	6,328,791 B1	Dec. 11, 2001	Pillion et al.	96	418	May 3, 2000
	61.	6,350,417 B1	Feb. 26, 2002	Lau et al.	422	186.04	May 4, 2000
	62.	6,372,097 B1	Apr. 16, 2002	Chen	204	176	Apr. 14, 2000
	63.	6,379,427 B1	Apr. 30, 2002	Siess	95	57	Dec. 6, 1999
✓	64.	6,391,259 B1	May 21, 2002	Malkin et al.	422	28	Jun. 26, 1997

	PENDING U.S. PATENT APPLICATIONS	
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PENDING U.S. PATENT APPLICATIONS						
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HE	65.	09/669,253	Sep. 25, 2000	Taylor et al.		X
I	66.	09/669,268	Sep. 25, 2000	Taylor et al.		X
I	67.	09/730,499	Dec. 5, 2000	Taylor et al.		X
I	68.	09/742,814	Dec. 19, 2000	Taylor et al.		X
I	69.	09/774,198	Jan. 29, 2001	Taylor		X
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Sheet 9 of 9

PENDING U.S. PATENT APPLICATIONS						
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th	71.	09/924,600	Aug. 8, 2001	Taylor et al.		X
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	73.	60/340,702	Dec. 13, 2001	Taylor et al.		X
	74.	60/341,377	Dec. 13, 2001	Taylor et al.		X
	75.	60/341,518	Dec. 13, 2001	Taylor		X
	76.	60/340,288	Dec. 13, 2001	Taylor		X
	77.	60/341,176	Dec. 13, 2001	Taylor		X
	78.	60/340,462	Dec. 13, 2001	Taylor		X
	79.	60/341,090	Dec. 13, 2001	Taylor		X
	80.	60/341,433	Dec. 13, 2001	Taylor		X
	81.	60/341,592	Dec. 13, 2001	Taylor		X
	82.	60/341,320	Dec. 13, 2001	Taylor		X
	83.	10/023,197	Dec. 13, 2001	Taylor et al.		X
	84.	10/023,460	Dec. 13, 2001	Taylor et al.		X
	85.	10/074,082	Feb. 12, 2002	Taylor et al.		X
	86.	10/074,209	Feb. 12, 2002	Taylor et al.		X
	87.	10/074,207	Feb. 12, 2002	Taylor et al.		X
	88.	10/074,208	Feb. 12, 2002	Taylor		X
	89.	10/074,339	Feb. 12, 2002	Taylor et al.		X
	90.	10/074,827	Feb. 12, 2002	McKinney, Jr., et al.		X
	91.	10/074,549	Feb. 12, 2002	Sinaiko et al.		X
	92.	10/074,103	Feb. 12, 2002	Sinaiko et al.		X
	93.	10/074,096	Feb. 12, 2002	Taylor et al.		X
	94.	10/074,347	Feb. 12, 2002	Taylor et al.		X
	95.	10/074,379	Feb. 12, 2002	Taylor et al.		X
V	96.	10/156,158	May 28, 2002	Taylor et al.		X

COPYSheet 3 of 3**PENDING U.S. PATENT APPLICATIONS**

Examiner Initial		Application Number	Filing Date	First Named Inventor	Petition to Expunge?	
					Yes	No
<i>tt</i>	97.	60/391,070	Jun. 6, 2002	Reeves		X
<i>tt</i>	98.	10/188,668	Jul. 2, 2002	Taylor et al.		X

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
<i>tt</i>	99.	WO 01/47803 A1	Jul. 5, 2001	PCT			✓	
<i>tt</i>	100.	WO 01/48781 A1	Jul. 5, 2001	PCT			✓	
<i>tt</i>	101.	FR 2690509	Oct. 29, 1993	France			✓	
<i>tt</i>	102.	JP 10137007	May 26, 1998	Japan			✓	
<i>tt</i>	103.	JP 11104223	Apr. 20, 1999	Japan			✓	
<i>tt</i>	104.	JP 2000236914	Sept. 5, 2000	Japan			✓	

OTHER DOCUMENTS (Include author (if any), title, publisher and place of publication, date and pertinent pages)

<i>tt</i>	105.	LENTEK Silā™ Plug-In Air Purifier/Deodorizer product box copyrighted 1999.	
Examiner	<i>Thao Tran</i>		Date Considered <i>3/6/06</i>
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			
<p>*1 = Copy not submitted because it was submitted in prior application SN <u> </u> / <u> </u>, filed <u> </u>, 20<u> </u>, relied on under 35 USC §120.</p>			
<p>*2 = Copy not submitted because it was submitted in prior application SN <u> </u> / <u> </u>, filed <u> </u>, 20<u> </u>, relied on under 35 USC §120.</p>			